



XM-GS100

GS series Class-D Subwoofer Amplifier



- Compact chassis size
 - 330W x 1 RMS at 4 Ohms¹
 - 600W x 1 max power at 4 Ohm
 - 600W x 1 RMS at 2 Ohms
 - 1100W x 1 max power at 2 Ohm
 - Dynamic Distortion Suppression
- Active Thermal Control
 - High Level Input with Sensing Power On
 - Variable LPF
 - Subsonic Filter
 - Bass Boost
 - 3 year warranty

Amp Design

The XM-GS100's efficient Class-D mono block design, compact chassis size and single sided connections provide multiple mounting options while maximizing output and control for your audio system.

4 Ohm Power Output

The XM-GS100 delivers 330 watts RMS power at 4 ohm with 14.4 volts, from 20 Hz - 200 Hz with less than 1% THD+N. This unit has a maximum output power of 600 mono at 4 ohm.

2 Ohm Power Output

The XM-G100 delivers 600 watts RMS power at 2 ohm with 14.4 volts, at 50 Hz with less than 1% THD+N. This unit has a mximum output power of 1100 watts mono at 2 ohm.

Built-in Crossovers

The XM-GS100 has a removable top panel that conceals a variable 12 dB/oct LPF (Low-Pass filter) at 50-300Hz as well as a 12 dB/octave sub-sonic HPF (High-Pass filter), variable at 6-70Hz to maximize your systems potential. This amplifier also offers a variable 0-10 dB 40 Hz bass boost circuit to increase low frequency response.

Input Flexibility

As well as traditional RCA inputs, the XM-GS100 offers direct connections (High Level Input) to the speaker output of your car audio unit if it is not equipped with RCA line outputs. The auto sensing, high level input feature also allows the amplifier to be powered up without the need for remote power turn on connections.

Protection Circuitry

The Active Thermal Control regulates the units operating temperature for stable, long-term playback at high volume levels. Dynamic Distortion Suppressor reduces distortion that occurs at higher playback levels for clear bass reproduction.

Warranty

The XM-GS100 includes a 3 year warranty.

Specifications

Amplifier Section		Harmonic Distortion	0.1% or less (50Hz)
Max power output	1100W max power	Input Level	0.3-6.0V (RCA pin jacks) 6.5-16.0V (High Level input)
Power Ad Hoc	330W at 4 Ohm from 20Hz-200Hz with 1% THD ¹	Low Boost	0-10dB (40Hz)
Speaker Impedance	2-8 Ohm stereo 4-8 Ohms mono	Power Supply	Class D Technology Pulse Power Supply
Audio		Signal Circuitry	6-70Hz Variable -12 dB/Octave Subsonic filter
Band	Low Pass Filter: 50-300Hz, -12dB/Oct		
Frequency Response	10-300kHz (+/-0dB)		

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Signal-to-Noise Ratio (dB)	65 dBA
Audio Features	
Level Control	High Level Input: 6.5 - 16V
Colors	
Color	Graphite
Convenience Features	
Illumination	Blue illumination
Inputs and Outputs	
Audio / Headphone Output(s)	Speaker Terminals
Audio In	RCA Pin Jacks High Level Input connector
Input(s)	RCA Pin Jacks High Level input connector
Line Level Input(s)	RCA pin jacks
Output(s)	Speaker Terminals
RCA Audio Input(s)	Pin Jacks: 0.3 - 6V
Power	
Current Drain	At rated output: 45 Amp (at 4 Ohms)
Input Voltage	10.5-16V Power Supply Voltage
Internal Power Supply	Class D Technology Pulse Power Supply

Output Power	Maximum Output: 600W (at 4 Ohms); 1100Wx1 (at 2 Ohms)
Power Requirements	12V DC Car Battery (Negative Ground)
Rated Output	330W RMS (20 Hz - 200 Hz, 1.0% THD + N, at 4 Ohms, 14.4V) ¹ 600W RMS (100 Hz, 1.0% THD + N, at 2 Ohms, 14.4V)
Speaker	
Circuit System	OTL (Output Transformerless) circuit Pulse Power Supply
Impedance	2-8 Ohms mono
Speaker Terminal Type	Gold plated terminals
Weights and Measurements	
Dimensions (Approx.)	10 3/4" x 2 1/8" x 8" (272 x 51 x 202 mm)
Dimensions (Approx) Depth	8"
Dimensions (Approx) Height	2 1/8"
Dimensions (Approx) Width	10 3/4"
Weight (Approx.)	5 lb 9 oz (2.5 kg)
Accessories	
Supplied Accessories	Mounting Screws (4) High Level Input Cord Protection Cap

1. CEA-2006 Compliant — Standardized "Voluntary" Testing & Measurement Methods for Mobile Audio Amplifiers. This standard advocates a uniform method for determining an amplifier's RMS power and signal-to-noise ratio. Using 14.4 volts, RMS watts are measured into a 4-ohm impedance load at 1 percent Total Harmonic Distortion (THD) plus noise, at a frequency range (for general purpose amplifiers) of 20 Hz to 20,000 Hz.

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